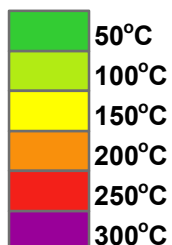


Abandoned Coal Mine Areas in Pennsylvania with Geothermal Binary Power Plant Facility Siting Potential



Temperature at depth
of 3.0 kilometers



• Abandoned Coal Mine Areas

Screening Criteria

Temperature of greater than or equal to 93°C (200°F) at 3.0 km depth
Well depth of less than or equal to 3.0 km
Distance to electric transmission lines of 10 miles or less
Property size of 10 acres or more
Distance to graded roads of 25 miles or less

This map was developed by SRA International for the US Environmental Protection Agency (EPA) OSWER Center for Program Analysis. Results are based on site screening criteria adapted from National Renewable Energy Laboratory (NREL) criteria and GIS data provided by Southern Methodist University (SMU) geothermal Laboratory, NREL, EPA and the Pennsylvania Department of Environmental Protection. This map and its associated data are intended to provide a general understanding of the renewable energy potential of abandoned coal mine areas; **additional site-specific technical and economic analysis is required to determine the actual energy generation potential of these sites.** These sites are tracked and monitored by state agencies. For further information, please see the accompanying Data Guidelines document at www.epa.gov/renewableenergyland or contact Gaffney.Kristeen@epa.gov or cleanenergy@epa.gov.

